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... 1. Schematic of a **fiber Fabry-Perot** acoustic sensor system: SMF ... thermally bonding a **fiber**, a **ferrule**, a silica tube, and a silica **diaphragm** together to ...Cited by 3 - Web Search - [ao.osa.org](#) - [adsabs.harvard.edu](#) - [ncbi.nlm.nih.gov](#) - all 7 versions »**Blast-pressure measurement with a high-bandwidth fibre optic pressure sensor**

WN MacPherson, MJ Gander, JS Barton, JDC Jones, CL ... - Measurement Science and Technology, 2000 - iop.org

... and its attachment to the **ferrule** to form ... fibre ultrasonic hydrophone using a**Fabry-Perot** polymer film ... M 1992 Flat and Corrugated **Diaphragm** Design Handbook ...Cited by 4 - Web Search - [ingentaconnect.com](#) - [adsabs.harvard.edu](#) - [csa.com](#) - all 6 versions »**A Novel Temperature-Insensitive Optical Fiber Pressure Sensor for Harsh Environments**

J Xu, G Pickrell, X Wang, W Peng, K Cooper, A Wang - IEEE Photonics Technology Letters, 2005 - ieeexplore.ieee.org

... only the **diaphragm** thickness or the **ferrule** pit diameter ... 1. The length of the**Fabry-Pérot** (FP) cavity (air gap ... decrease with deflection of the **diaphragm** as a ...Cited by 1 - Web Search**Miniature fiber-optic multicavity Fabry-Perot interferometric biosensor**

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G Wang, V Fu, ME Welland, HP Hodson, J Ma - Electronic Packaging Technology Proceedings, 2003. ICEPT2003 ..., 2003 - ieeexplore.ieee.org

... end face and inner **diaphragm** face, the **Fabry-Perot** spacing, is ... end face is close the hole of the **diaphragm**. ... mode **fiber** with a connector **ferrule** inserted into ...Web Search - [ieeexplore.ieee.org](#)**Development of Novel Optical Fiber Interferometric Sensors with High Sensitivity for Acoustic ...**

J Deng - 2004 - scholar.lib.vt.edu

... intensity in a **Fabry-Perot** interferometer .....16 ... b) stage for



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N Furstenau, H Horack, W Schmidt - IEEE Transactions on Instrumentation and Measurement, 1998 - ieeexplore.ieee.org

... A loudspeaker **membrane** of 4 cm diameter is ... mirrors via tilting of the **ferrule** [tilt angle ... FURSTENAU et al.: EXTRINSIC FABRY-PEROT INTERFEROMETER FIBER-OPTIC ...  
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**Extrinsic Fabry-Perot interferometer vibration and acoustic sensor systems for airport ground ...**

N Fuerstenau, M Schmidt, H Horack, W Goetze, W ... - IEE Proceedings Optoelectronics, 1997 - ieeexplore.ieee.org

... The theoretical background of the extrinsic **Fabry— Perot** interferometer (EFPI) sensors is derived, and results of laboratory experiments as well as initial ...  
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K Hsu, CM Miller, D Babic, D Houng, A Taylor - IEEE Photon. Technol. Lett, 1998 - ieeexplore.ieee.org

... bonded onto metal **ferrule** submounts to ... D. Marcuse, "Ultrahigh finesse **fiber** **Fabry-Perot** interfer- ometers ... a micromachined deformable-**membrane** mirror," Appl ...  
Cited by 4 - Web Search - ieeexplore.ieee.org

**Micromechanical fiber-optic attenuator with 3 s response**

JE Ford, JA Walker, DS Greywall, KW Goossen - J. Lightwave Technol, 1998 - ieeexplore.ieee.org

... treating the mod- ulator as a **Fabry-Perot** etalon with ... the original position (from the **membrane** tension force ... 7. (a) Dual **fiber ferrule** and assembly of **ferrule** ...  
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Y Zhang - 2005 - scholar.lib.vt.edu

... Keywords: **Fabry-Perot** interferometry, **Fiber** optic biosensor, Polyelectrolyte self- assembly, Temperature compensation ©Copyright 2005, Yan Zhang Page 2. ...  
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**Extrinsic Fabry-Perot Interferometer Fiber**

N Furstenau, H Horack, W Schmidt - ieeexplore.ieee.org

... L=Fabty-Perot cavity length, PD= phobdioda ... is based on an extrinsic **Fabry - Perst** interferometer (EFPI-A ... coupled to the reflector **fiber ferrule** for transferring ...  
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**WAVELENGTH TUNING IN PHOTO-PUMPED 1 3 pm FIBER FABRY-PEROT SURFACE EMITTING LASERS**

K Hsu, CM Miller, D Babic, D Houng, A Taylor - ieeexplore.ieee.org

... and a suspended deformable- **membrane** mirroa, respectively ... configuration forms the **fiber Fabry-Perot** surface- emitting ... are bonded onto metal **ferrule** sub- mounts ...  
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**Fiber Optic Microphone**

YC Cho, T George - 1999., 1999 - csa.com

... technique employed was **fiber** optic **Fabry-Perot** interferometry. ... **fiber** terminated in a miniature **ferrule** with a ... micron thick silicon nitride **membrane** whose inner ...  
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**Acoustic Measurements Using a Fiber Optic Sensor System.**

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L5	9231	Fabry perot or fabry-perot	US-PGPUB; USPAT	ADJ	ON	2006/01/31 10:52
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L8	221872	interfer\$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/31 10:52
L9	770842	fiber or fibre	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/31 10:52
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L11	203647	membrane	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/31 10:52
L12	2886	Fabry perot or fabry-perot	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/31 10:53
L13	0	8 and 9 and 10 and 11 and 12	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/31 10:53

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L5	113059	diaphragm	US-PGPUB; USPAT	ADJ	ON	2006/01/31 08:37
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L18	2886	fabry perot or fabry-perot	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/31 08:37
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